



WLCG Service Report

3 weeks, Sep 27th – Oct 17th

WLCG Management Board, Oct 17th 2017

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v1.2

Operations Coordination meetings

- These meetings normally are held **once** per month
 - Usually on the first Thursday
- Each meeting has a **standard agenda** plus at least one **dedicated topic**, announced in advance
- Experiments and sites are kindly asked to have the **relevant experts** attend, depending on the topic(s)
- Next meeting:
 - Nov 2 – Providing reliable storage

Operations Coordination highlights (1)

- WLCG forum for tape matters
 - Experiments have been asked to exploit archival storage as much as possible
 - A joint discussion of tape system operations and experiment data management activities will be a starting point
 - HEPiX may be the right place for some of it
- Theme: Providing reliable storage
 - This time KIT presented best practices, questions and wishes
 - More such contributions are planned

Operations Coordination highlights (2)

- HEPiX fall meeting takes place this week
- Information System Evolution TF
 - CRIC development is progressing well
 - Update was presented during Oct GDB
- IPv6 Validation and Deployment TF
 - T2 deployment broadcast was sent

Operations Coordination highlights (3)

- Network and Transfer Metrics WG
 - WG update has been presented at HEPiX and LHCOPN/LHCONE workshop
 - perfSONAR 4.0.1 was auto-deployed
- Middleware
 - XRootD 4.7.0 broke xrdcp command towards dCache sites (issue 593)
 - ALICE data transfers were affected
 - Advisories for multiple high risk vulnerabilities
 - Linux kernel local root vulnerability CVE-2017-1000253
 - Multiple dnsmasq vulnerabilities CVE-2017-14491

Selected items from Operations (1)

- Overall high activity across the experiments
- ATLAS
 - No major issues
 - Ongoing investigation for a file lost from EOS
- CMS
 - High CPU utilization (~200k cores)
 - Backlog of 1PB for data transferred from T0 to T1
 - Less new data will be subscribed to CNAF and KIT

Selected items from Operations (2)

- ALICE
 - CASTOR instabilities forced limits on reco jobs
 - Issue is yet to be fully understood
 - Additional gateway capacity will be looked into
- LHCb
 - Pre-staging of 2015 data for reprocessing progressing well
 - No major issues
- CERN
 - Oracle cloud resource project in openlab
 - Now in use by ALICE, ATLAS and LHCb
 - CMS configuration is ongoing

Selected items from Operations (3)

- Networks
 - IPv6 issue between IC and SARA has been solved with a workaround ([GGUS:129946](#))
- CNAF
 - Double HW failure in LHCb storage in a weekend
 - XRootD service overload due to CMS jobs at CERN
 - ATLAS storage being equipped with IPv6
- RAL
 - CMS ran out of CASTOR space due to disk servers being drained for their move to Echo
 - A few were temporarily restored

Service Incident Reports

- None

GGUS summary (3 weeks Sep 25 – Oct 15)

VO	User	Team	Alarm	Total
ALICE	2	2	0	4
ATLAS	5	44	0	49
CMS	136	1	0	137
LHCb	5	19	0	24
Totals	148	66	0	214

